

# Marcos Agnoletto Forte

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## Personal Informations

🎂 **Date of birth:** June 27, 1996.

🇧🇷 **Citizenship:** Brazilian.

🗣️ **Languages:** Portuguese (native), English (student), Spanish (student), Italian (beginner student).

## Education

- 2022 – . . . . . 📖 **Ph.D. in Mathematics** at the Federal University of ABC.  
PhD thesis: .  
Advisors: Prof. Stefano Nardulli, Prof. Márcio Fabiano da Silva and Prof. Paolo Piccione.
- 2019 – 2022 📖 **Master's Degree in Mathematics** at the Federal University of ABC.  
Master thesis: *Optimal Isoperimetric Inequality In Cartan-Hadamard Manifolds And The Aubin's Conjecture*.  
Advisors: Prof. Stefano Nardulli and Prof. Márcio Fabiano da Silva.
- 2018 – 2022 📖 **Bachelor's Degree in Mathematics** at the Federal University of ABC.  
Bachelor thesis: *A Stereological Version Of Gauss-Bonnet Formula*.  
Advisor: Prof. Márcio Fabiano da Silva.
- 2014 – 2018 📖 **Bachelor's Degree in Science and Technology** at the Federal University of ABC.

## Research Interests

My primary areas of research interest include **geometric measure theory**, **geometric analysis** and **calculus of variations**. Secondary, I am interested in **stereology** and **general relativity**.

## Research


### Academic Works

- 1 M. A. Forte and M. F. da Silva, "A stereological version of gauss-bonnet formula," **Bachelor thesis**, In portuguese, May 2022.
- 2 M. A. Forte, S. Nardulli, and M. F. da Silva, "Optimal isoperimetric inequality in cartan-hadamard manifolds and the aubin's conjecture," **Master thesis**, In portuguese, Available in: *Plataforma Sucupira*, Accessed July 5, 2023, Dec. 2021.
- 3 M. A. Forte and M. R. da Silveira, "Homology of surfaces," **Undergraduate research**, In portuguese, Nov. 2019.
- 4 M. A. Forte and M. F. da Silva, "Geometric probability and the integral geometry on euclidean plane," **Undergraduate research**, In portuguese, Nov. 2017.




## Seminars

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### Conference Talks

- January, 2023     **Limits of spacetimes**, Primeiro Workshop da Pós-Graduação Integrada com a semana da FÍSICA, UNESP.




### Posters

- November, 2019     **Homology of surfaces**, XII Simpósio de Iniciação Científica, UFABC.
- November, 2017     **Geometric probability and the integral geometry on euclidean plane**, X Simpósio de Iniciação Científica, UFABC.
- November, 2016     **Geometric probability and the integral geometry on euclidean plane**, IX Simpósio de Iniciação Científica, UFABC.

## Teaching

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### Teaching Assistant

- 02/2020 – 05/2020     **Geometria Não Euclidiana** (*Non-Euclidean Geometry*) at Federal University of ABC.
- 07/2019 – 12/2019     **Funções de Uma Variável** (*Calculus II*) at Federal University of ABC.
- 02/2019 – 06/2019     **Bases Matemáticas** (*Calculus I*) at Federal University of ABC.

## References

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Available on Request.